

Junkkari



Junkkari HJ320 & HJ500

Chippers for contractors



A GOOD WAY TO WORK HARD

Wise addition to your business

- Do you own over 150hp tractor? It doesn't have work for whole year and driver would be available as well? If answer is YES, we have a proposal. Why wouldn't you buy Junkkari HJ320 or HJ500, a professional class disc chipper, and start to earn money!
- Wood chip is clean and environmental friendly renewable energy from the forests. It will become more and more important in the heat and energy production. With Junkkari HJ320 and HJ500 you can get into this growing business as a professional but with decent investment. You will also get addition to your seasonal farming or contracting business.



Investment which makes sense

- A clever professional prepares investments carefully and evaluates what is profitable. Same needs to be kept in mind with wood chipper. It is totally possible to fully employ a tractor & chipper combination in same way as the half million euro chipper truck. With bigger unit you can probably produce bit more but with much higher costs.
- If your situation is what we described on a previous page, Junkkari chippers offer a very interesting opportunity for additional business. With only a part of the price of big drum chipper trucks you get a reliable machine which can handle the chip demand of for example smaller scale heating centers.

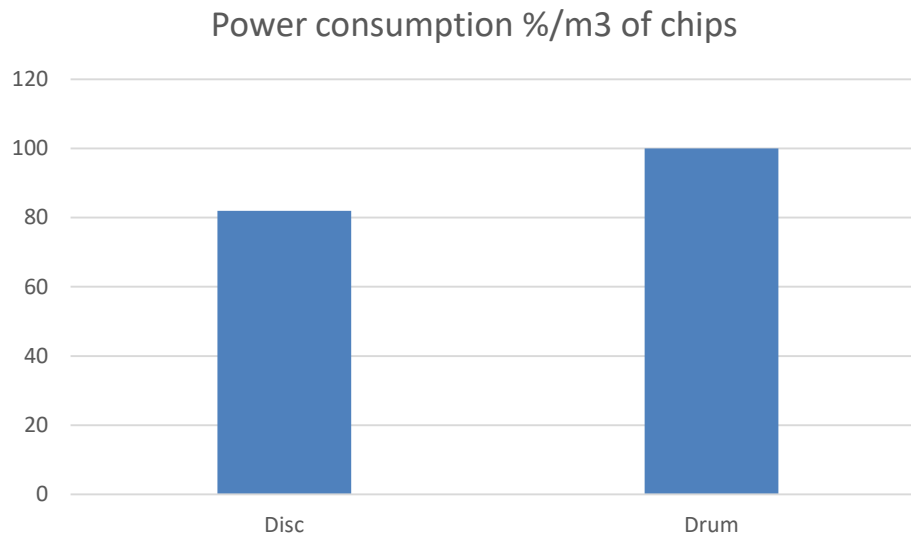
Relative purchase cost



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Energy efficiency at its best

- Disc chipper is proven to be the most energy efficient way to make chips of wood. For example due to disc which combines the cutting and blowing, the energy needed for 1m³ of chips is 20% lower than in drum chippers. You can feel the fuel saving immediately in your wallet!
- Fuel cost estimation 0,50eur/m³



Agile combination works also offroad

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- 4-wheel drive tractor combined with HJ320 or HJ500 goes without problems also on a rough terrain. You have no difficulties to do your chipping work in places where heavy chipper trucks have no chance.



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High quality chips

- Junkkari flywheel with 2- or 4-knives cuts the wood cleanly and efficiently against two anvils. Chip quality is very good and amount of dust is very small. This means that you get high bulk volume of chips out of solid cubic meter of wood which is naturally profitable.
- If chipped material is something else than simple log or roundwood, optional brush wood knives are highly recommended. This significantly reduces risk for bigger particles which would be problematic for smaller heating systems.



Simple and robust construction – low maintenance costs and easy to service

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- Construction of Junkkari HJ320 and HJ500 is simple and robust. Flywheel has a direct drive from tractor with overload protected PTO shafts. Flywheel is mounted to the chamber with high quality SKF bearings.
- Both chippers are equipped with own hydraulics which gets power from flywheel axle with v-belt drive. System of 2-pumps guarantees power for infeed even other functions like chute control are operated simultaneously.
- Upper chamber opens over 90 degrees which makes knife maintenance easy. Sharpening interval of knives varies depending of material and conditions but average is about 500m³ per sharpening. Knife cost in average less than 0,20 eur/m³
- In addition to knives, chipper has only a few more service points and therefore the maintenance costs are low.



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Be smart, buy Junkkari chipper

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- Become a professional in growing bioenergy business with lower investment costs. You get high quality, efficient and economical machine with very low maintenance needs and costs.



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HJ320



- Max diam.: 32cm
- Knives: 4pcs
- Disc diam.: 126cm
- Disc weight: 520kg
- RPM: 540-100
- Knife setting: 5-18mm
- Output: 0-80 m³/h
- Power demand: 160-250hp
- Weight: 2400kg with infeed chute
2900kg with conveyor
3800kg with crane (centre of gravity about 100cm from 3-point linkage)
- Length: 3200mm (with conveyor)

HJ500



- Cutting disc diameter 138 cm
- Cutting disc weight 650 kg
- Cutting knives 2 pcs
- Output 30-100 m³/h
- Wood diameter max 45 cm
- Knife adjustment 5-20 mm
- Infeed area 46 x 46 cm
- Power requirement 80- 150 kw
- Cutting disc speed 540-1000 rpm
- Own hydraulic system

Options

- Feeding conveyor
- Discharge chute extension 50cm
- Brush wood knives to disc
- Brush wood knife to chamber
- Tipping of upper chamber
- Hydraulic control for upper feed roller

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